

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Markham Dump - Removal Polrep



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V**

Subject: POLREP #3
Markham Dump
B5WK
Markham, IL
Latitude: 41.5979794 Longitude: -87.6728209

To:
From: Steven Faryan, On-Scene Coordinator
Date: 5/5/2011
Reporting Period: April 28, 2011 to May 5, 2011

1. Introduction

1.1 Background

Site Number:	B5WK	Contract Number:	EP-S5-09-05
D.O. Number:	0061	Action Memo Date:	3/11/2011
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	4/11/2011	Start Date:	4/11/2011
Demob Date:		Completion Date:	
CERCLIS ID:	ILN000510534	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category
Abandoned Open Dump

1.1.2 Site Description

See POLREP # 1

1.1.2.1 Location

See POLREP # 1

1.1.2.2 Description of Threat

See POLREP # 1

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See POLREP # 1

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

U.S EPA and EERS contractor ER have staged, sampled and run HazCat fingerprinting on 110 containers. The compatible waste groups, corrosive liquids, corrosive solids, acids, combustible liquids, base neutral liquids, base neutral solids are being composited in containers. The corrosive solid material has been staged on a liner and are found in 1 cubic yard super sacs. The solids will be sampled and if results indicated no hazardous constituents, they will be consolidated into the soil pile and disposed of at the landfill.

A request for proposal has been drafted and will be sent out to bid for disposal of the estimated 3,000 tons of soil, cut containers, PPE and other non-hazardous solids.

A request for proposal will be sent out for the hazardous soil if after conducting a cost analysis off-site disposal makes more economic sense.

A request for proposal will be sent out for disposal of the drums of compatible material.

A treatability study was conducted on the original soil pile (#1) and fixation agents EnviroBlend, Free Flow and Lime Dust were used to treat the soil. Additional treatability studies may be conducted when the data is received from the piles which were re-sampled.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

See Enforcement Confidential Section in Action Memo

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

Continue consolidation of compatible waste streams

Collect Samples for Disposal Parameters from consolidated Waste Streams

Send out Request for Proposal for disposal of non-hazardous solids, hazardous solids and drum containing consolidate waste streams

Conduct Additional Treatability on Stock piled Hazardous Soil

Evaluate perched ground water conditions in excavation area and prepare cost estimate if water has to be treated. A filtrate sample was analyzed in the lab using a 5 micron filter. If

successful, bag filters may be used on site to dewater the excavation area if water levels do not recede.

Secured site and De-Mobilize until sub-contract for disposal is awarded and waste disposal approvals have been obtained. The site will be demobilized on May 6, 2011. The site will be secured and the City of Markham Police will provide security.

2.2.1.1 Planned Response Activities

Remobilize after sub-contract for disposal of soil, compatible waste streams has been awarded and approvals have been obtained.

Planned re-mobe on May 23, 2011

2.2.1.2 Next Steps

Award sub-contracts for disposal of all hazardous materials, treated waste, solids, cut containers and miscellaneous bottles, aerosol cans and other items.

If the water table drops in elevation the excavation area will be cleaned up to remove the contaminated soil that was not excavated due to water infiltration.

Dispose of stock piled soil, cut containers, PPE, and inorganic salts at a Subtitle D Landfill that is in CERCLA off-site compliance.

Dispose of Drums containing compatible waste streams.

Backfill excavation area if high water conditions allow with clean fill. The City of Markham has allowed USEPA to use the clean fill stockpiled on 159th and Western. Samples of the fill were collected and the pile was surveyed to determine volume.

2.2.2 Issues

High Water table in the excavation area caused a shut down in removal activities. The area will be allowed to drain by natural conditions and will then be re-evaluated.

2.3 Logistics Section

NA

2.4 Finance Section

2.5 Safety Officer

Site HASP is on-site and daily safety plan meetings are being conducted. HASP was modified to allow Level D personnel protection in the lead excavation zone. No dust has been detected above action levels with personal data ram. Sample pumps have been ordered to monitor dust and lead in the work zone. Lead blood samples will be collected from personnel at job end.

2.6 Liaison Officer

NA

2.7 Information Officer

3. Participating Entities

3.1 Unified Command

3.2 Cooperating and Assisting Agencies

IEPA

Illinois Attorney General's Office

Village of Markham

4. Personnel On Site

EERS: 1 Response Manager. 1 Clean-Up Technician. 1 Operators

START: 1

USEPA: 1 OSC. Fields personnel on-site as necessary

5. Definition of Terms

6. Additional sources of information

6.1 Internet location of additional information/reports

IEPA Web Site: <http://www.epa.il.us/>

6.2 Reporting Schedule

7. Situational Reference Materials